N° 2176 A.D. 1901

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PROVISIONAL SPECIFICATION.

"An Improved Process for Sterilizing and Keeping Tooth Picks"

I, Victor Florentin Gabriel Charavet, of 57, Boulevard Haussmann, Paris, in the Republic of France, Surgeon Dentist, do hereby declare the nature of this invention to be as follows:

My invention relates to a process for sterilizing and keeping tooth picks whereby these articles can be delivered to purchasers in a perfectly clean condition and a new commercial product is obtained, namely, a sterilized tooth pick of a very distinctive black colour.

To effect the sterilization of tooth picks, I employ a solution of permanganate of potash which has the advantage, besides its considerable antiseptic property, of dyeing tooth picks a very deep black whereby they can be distinguished from ordinary or non-sterilized tooth picks.

In carrying out my process I first boil the tooth picks for about ten minutes in a solution composed of twenty grammes of permanganate of potash per litre of water. If the proportion of permanganate of potash be increased or diminished, the boiling will have to be carried on for a shorter or longer time.

The tooth picks are afterwards drained, rinsed and set to boil in clear water in order to completely free them from any soluble parts.

I afterwards dry them either in the sun or in a very warm place or in a suitable stove.

To protect the tooth picks from dust and from contact with the outer air I place them in hermetically closed boxes or cases; for example I may place each tooth pick in a thin paper tube closed at one end by being twisted or otherwise and afterwards hermetically close up the other end by means of a label for example, and I then place a certain number of these tubes containing tooth picks in a cardboard or other sheath or box. When the tooth picks have been enclosed in their cases I submit them to a final sterilizing operation by placing them for a certain time in a heated chamber or vessel.

The tooth picks thus prepared are ready to be sold; they constitute a new marketable product distinguished from ordinary tooth picks, in the first place, by their chemical cleanliness resulting from the sterilization and, in the second place, by their appearance, resulting from the action of the permanganate of potash.

Dated the 31st day of January 1901.

G. F. REDFERN & Co.
4, South Street, Finsbury, London, Agents for the Applicant.

COMPLETE SPECIFICATION.

"An Improved Process for Sterilizing and Keeping Tooth Picks."

I, Victor Florentin Gabriel Charavet, of 57, Boulevard Haussmann, Paris, in the Republic of France, Surgeon Dentist, do hereby declare the nature of this

[*Price* 8*d*.]

invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

My invention relates to a process for sterilizing and keeping tooth picks whereby these articles can be delivered to purchasers in a perfectly clean condition and a new commercial product is obtained, namely, a sterilized tooth pick of a very distinctive black colour.

To effect the sterilization of tooth picks, I employ a solution of permanganate of potash which has the advantage, besides its considerable antiseptic property, of dyeing tooth picks a very deep black whereby they can be distinguished from ordinary or non-sterilized tooth picks.

In carrying out my process I first boil the tooth picks for about ten minutes in a solution composed of twenty grammes of permanganate of potash per litre of water. If the proportion of permanganate of potash be increased or diminished, the boiling will have to be carried on for a shorter or longer time.

The tooth picks are afterwards drained, rinsed and set to boil in clear water in order to completely free them from any soluble parts.

I afterwards dry them either in the sun or in a very warm place or in a suitable stove.

To protect the tooth picks from dust and from contact with the outer air I place them in hermetically closed boxes or cases: for example, I may place each tooth pick in a thin paper tube closed at one end by being twisted, or otherwise, and afterwards hermetically close up the other end by means of a label for example, and I then place a certain number of these tubes containing tooth picks in a cardboard or other sheath or box. When the tooth picks have been enclosed in their cases I submit them to a final sterilizing operation by placing them for a certain time in a heated chamber or vessel.

The tooth picks thus prepared are ready to be sold; they constitute a new marketable product distinguished from ordinary tooth picks, in the first place, by their chemical cleanliness resulting from the sterilization and, in the second place, by their appearance, resulting from the action of the permanganate of potash.

The accompanying drawing illustrates, by way of example, one way of carrying out my invention.

Figure 1 is a perspective view shewing a box or case *a* open and filled with paper tubes *b* which enclose the sterilized tooth picks:

Figure 2 shews one of the tubes *b* closed and made of paper, similar to ordinary cigarette paper:

Figure 3 represents a tooth pick *c* which has been treated by my process.

The case *a* can be made of cardboard or other material, and its form, dimensions and method of, closing may obviously vary, as well as the arrangement of the tubes *b*, the only essential condition being the hermetic closing of the case which protects the tooth picks.

I may vary the composition of the bath serving to sterilize and colour the tooth picks as well as the proportion of permanganate of potash employed.

I may also treat a portion only of the tooth picks in the bath of permanganate of potash so that each took pick shall have the pointed half of a black colour and the rounded half of a white colour.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

1. Sterilizing tooth picks, and preparing them for keeping, by first boiling the tooth picks in a solution of permanganate of potash, afterwards washing them in boiling water, drying them, enclosing them in hermetically closed tubes or cases and finally sterilizing the tubes and the box or case by placing them in a heated chamber or vessel substantially as hereinbefore described.

2. As a new article of manufacture a tooth pick sterilized by the process

claimed in the preceding claiming clause, the said tooth pick being presented for sale in the tube or casing in which it has been sterilized, substantially as hereinbefore described.

3. As a new article of manufacture a tooth pick sterilized by the process claimed in Claim 1, in combination with a paper tube closed at both its ends, substantially as hereinbefore described.

4. As a new article of manufacture a tooth pick coloured black by the action of a boiling solution of permanganate of potash or the like to which it is submitted in order to sterilize according to the first claiming clause, substantially as set forth.

5. As a new article of manufacture, a tooth pick having one half coloured black by the action of permanganate of potash, and the other half left of a white colour, substantially as set forth.

Dated this 22nd day of October 1901.

G. F. REDFERN & Co.
4, South Street, Finsbury, London, Agents for the Applicant.

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CHARAVET'S COMPLETE SPECIFICATION.

(1 SHEET)

FIG. 1.

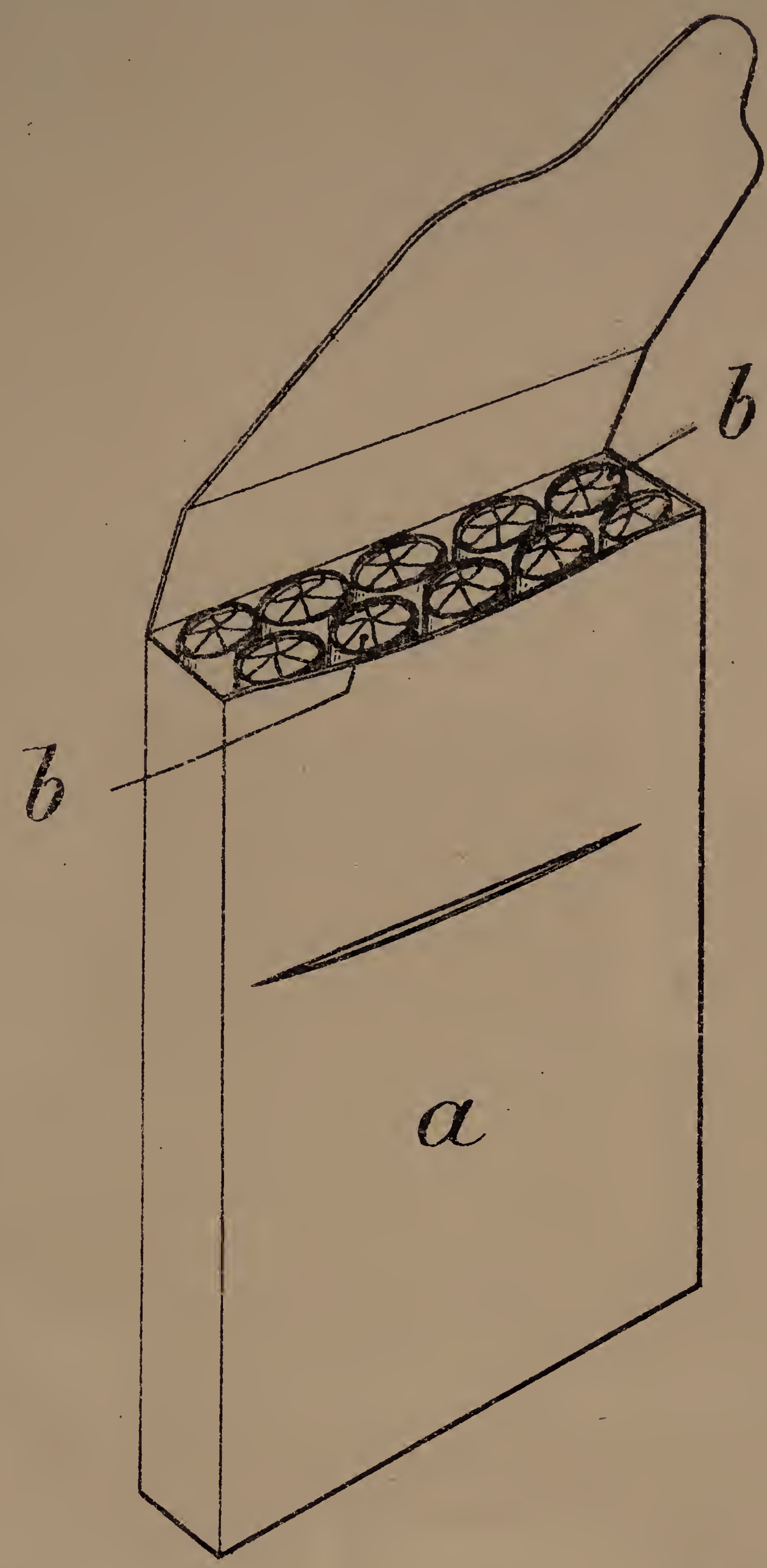


FIG. 2.

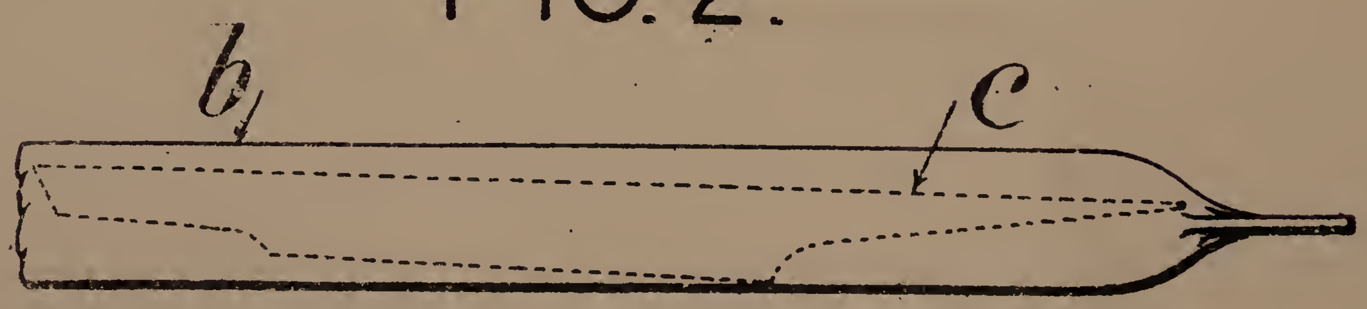
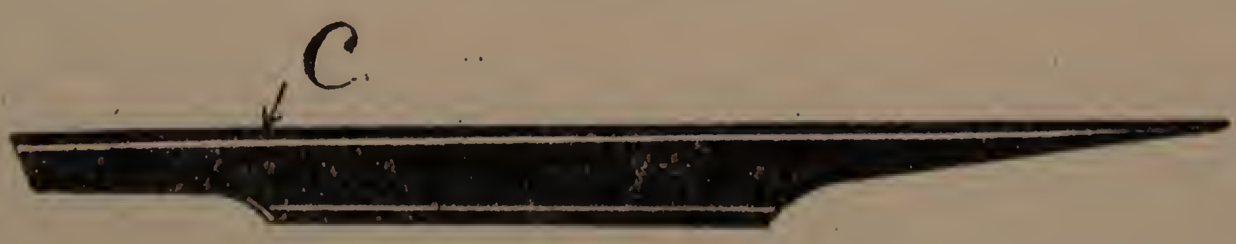


FIG. 3.



[This Drawing is a reproduction of the Original on a reduced scale]

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